

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	606/167,181-183.ccls. and (twist\$3 or rotat\$3) with (out adj2 contact) with (flange or recess or protrusion or projection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/29 13:59
L2	8	606/167,181-183.ccls. and (twist\$3 or rotat\$3) with (off) with (flange or recess or protrusion or projection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/29 14:01
L3	1	"606".clas. and (cap or cover or head or guard) with (twist\$3 or rotat\$3) with (out adj2 contact) with (flange or recess or protrusion or projection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/29 14:02
L4	1	"606".clas. and (handle) with (twist\$3 or rotat\$3) with (out adj2 contact) with (flange or recess or protrusion or projection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/29 14:02
L5	7	"606".clas. and (twist\$3 or rotat\$3) with (out adj2 contact) with (flange or recess or protrusion or projection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/29 14:03
L6	118	(cap or cover or head or guard) with (twist\$3 or rotat\$3) with (out adj2 contact) with (flange or recess or protrusion or projection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/29 14:04
L7	28	(cap or cover or head or guard) with (twist\$3 or rotat\$3) with (out adj2 contact) with (flange or recess or protrusion or projection) with (remov\$4 or releas\$4 or off)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/29 14:05
S1	1	10/567554.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 11:55

S2	0	606/181-183.app. and (spring with (wave or leaf or cantilever or undulat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:00
S3	209	606/181-183.ccls. and (spring with (wave or leaf or cantilever or undulat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 12:00
S4	56	("0055620"   "1135465"   "2531267"   "3030959"   "3208452"   "4120303"   "4139011"   "4185635"   "4203446"   "4442836"). PN. OR ("4527561"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:03
S5	59	("0055620"   "0236084"   "1135465"   "2531267"   "3030959"   "3208452"   "4120303"   "4139011"   "4185635"   "4203446"   "4442836").PN. OR ("4535769").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:04
S6	71	("0055620"   "0236084"   "1135465"   "2531267"   "3030959"   "3208452"   "4120303"   "4139011"   "4185635"   "4203446"   "4442836").PN. OR ("4553541").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:04
S7	5	("6053930" "6168606" "5954738" "6152935" "4527561").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:08
S8	17	("3030959"   "4388925"   "4527561"   "4616649"   "4624253"   "5152775"   "5487748"   "5554166"   "5871494").PN. OR ("6053930").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:21
S9	106	("3623475"   "4375815"   "4416279"   "4527561"   "4580564"   "4637403"   "4653513"   "4715374"   "4787398"   "4794926"   "4817603").PN. OR ("5026388").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:28
S10	27	S5 not S4	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:29

S11	16	("4677979"   "4775369"   "4883068"   "5045066"   "5086780"   "5137521"   "5336187"   "5439473"   "5630803"   "5666966"   "5746761"   "5873856"   "6053930"   "6136013"   "6248120"   "6258112"). PN. OR ("6540763"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:35
S12	35	S6 not S5	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:36
S13	20	("5064419"   "5163908"   "5211629").PN. OR ("5336187").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:41
S14	81	("4295476"   "4643199"   "4747829"   "4774964"   "4804371"   "4941531"). PN. OR ("4883068"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:42
S15	18	("4917101"   "5254099"   "5261894"   "5304137"   "5304151"   "5336187"   "5336200"   "5417660"   "5486164"   "5492536"   "5662610"   "5688241"). PN. OR ("5976111"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 12:44
S16	738	606/181-183.ccls. and (spring or bellow)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 13:28
S17	14	606/181-183.ccls. and (bellow)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 13:28
S18	8	("4883068"   "4889117"   "4935013"   "4943281"). PN. OR ("5318581"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 13:36
S19	81	("4295476"   "4643199"   "4747829"   "4774964"   "4804371"   "4941531"). PN. OR ("4883068"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 13:37

S20	9	606/181-183.ccls. and undulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:15
S21	75	606/181-183.ccls. and (wave or waving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:16
S22	983	606/181-183.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:22
S23	245	S22 not S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:22
S24	71	606/167.ccls. and lancet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:52
S25	2171	(needle or blade) and (spring with (wave or undulating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:56
S26	665	(needle or blade or lancet) same (spring with (wave or undulating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:56
S27	24	("600" "606" "604").clas. and (needle or blade or lancet) same (spring with (wave or undulating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:56
S28	6	(600/583 606/167,181-185).ccls. and (needle or blade or lancet) and (spring with (wave or undulating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:58
S29	9	("4677979"   "4991827"   "5147375"   "5395387"   "5439473"   "5540709"   "6062548"   "6113620").PN. OR ("6299626").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 14:58

S30	41	(600/583 606/167,181-185). ccls. and (lancet or needle or blade or penetrating or piercing or sharp) and (spring with (either or both) with side)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 14:59
S31	1	("2006/0116607").URPN.	USPAT	OR	ON	2009/01/16 15:01
S32	1	"5324302".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 15:05
S33	225	("604").clas. and (lancet or needle or blade or penetrating or piercing or sharp) and (spring with (either or both) with side)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 15:06
S34	66	("604").clas. and (lancet or needle or blade or penetrating or piercing or sharp) same (spring with (either or both) with side)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 15:06
S35	2	"5147311".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 15:07
S36	1	(600/583 606/167,181-185). ccls. and (needle or blade or lancet) and (spring with (wavy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 15:47
S37	18	(600/583 606/167,181-185). ccls. and (needle or blade or lancet) and wavy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 15:47
S38	35	("1541615"   "3372697"   "3605744"   "3631847"   "3701345"   "3858581"   "3884229"   "4132231"   "4150672"   "4437859"   "4626244"   "4681566"   "4734092"   "4758226"   "4781683"   "4871351"). PN. OR ("5147311"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 15:49
S39	53	(600/583 606/167,181-185). ccls. and bellow\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 15:51

S40	1	(600/583 606/167,181-185). ccls. and (sinusoid\$3 with spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 15:55
S41	0	(600/583 606/167,181-185). ccls. and (sine with wave with spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 15:56
S42	48	(600/583 606/167,181-185). ccls. and sinusoid\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 15:56
S43	23	("4535773"   "4840613"   "5030206"   "5066288"   "5152754"   "5215526"   "5224952"   "5248298"   "5256149"   "5267965"   "5312354"   "5314417"   "5330437"   "5330497"   "5346459"   "5364372"   "5383860"   "5387197"   "5399167").PN. OR ("5947930").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 15:57
S44	81	("600" "606" "604").clas. and spring with undulating	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 16:01
S45	94	("2587215"   "3518992"   "3795244"   "3858583"   "3870046"   "3888253"   "3918451"   "3964483"   "3973566"   "3991761"   "4005711"   "4013075"   "4014336"   "4064878"   "4069819"   "4116195"   "4117844"   "4206758"   "4210140"   "4240418"   "4446862").PN. OR ("4860740").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 16:03

S46	32	("3276458"   "3517816"   "3730349"   "4070289"   "4160727"   "4231872"   "4280912"   "4396383"   "4458733"   "4484920"   "4507114"   "4576603"   "4648978"   "4698153"   "4784763"   "4810388"   "4871463"   "4994056"   "5004535"   "5032265"   "5059317"   "5163922"   "5259954"   "5429603"   "5637087"   "5685846"   "5725777"   "5752940"   "5807323").PN. OR ("6527738").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/16 16:03
S47	16	("4677979"   "4775369"   "4883068"   "5045066"   "5086780"   "5137521"   "5336187"   "5439473"   "5630803"   "5666966"   "5746761"   "5873856"   "6053930"   "6136013"   "6248120"   "6258112").PN. OR ("6540763").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 16:43
S48	2	(600/583 606/167,181-185).ccls. and (spring with (undulating or sinusoidal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/27 16:50
S49	67	(600/583 606/167,181-185).ccls. and ((undulating or sinusoidal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/27 16:50
S50	1	(600/583 606/167,181-185).ccls. and (spring with wavy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/27 16:53
S51	28	(600/583 606/167,181-185).ccls. and (spring with web)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/27 16:53
S52	17	(600/583 606/167,181-185).ccls. and (flat with coil\$3 with spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 09:55

S53	161	(600/583 606/167,181-185). ccls. and (web)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 09:55
S54	54	("20020087056"   "20030073931"   "20030083685"   "20030199789"   "20030199790"   "20030199791"   "20030199893"   "20030199894"   "20030199895"   "20030199896"   "20030199897"   "20030199898"   "20030199899"   "20030199900"   "20030199901"   "20030199902"   "20030199903"   "20030199904"   "20030199905"   "20030199906"   "20030199907"   "20030199908"   "20030199909"   "20030199910"   "20030199911"   "20030212424"   "20040009100"   "20040010279"   "4627445"   "4787398"   "4794926"   "4823806"   "5279294"   "5318584"   "5514152"   "5628765"   "5741288"   "5871494"   "5951492"   "5971941"   "6036924"   "6071294"   "6099484"   "6228100"   "6472220"   "6766817"). PN. OR ("7150755"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 10:04
S55	52	(600/583 606/167,181-185). ccls. and lancet and collapsible	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 10:13
S56	14	(600/583 606/167,181-185). ccls. and lancet and accordion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 10:19



S57	117	(600/583 606/167,181-185). ccls. and lancet and (flat or leaf) near spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 10:21
S58	34	("3030959"   "4794926"   "5029583"   "5035704"   "5152775"   "5514152"   "5569287"   "5578014"   "6228100"   "6306152"). PN. OR ("6616616"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 10:24
S59	18	("4917101"   "5254099"   "5261894"   "5304137"   "5304151"   "5336187"   "5336200"   "5417660"   "5486164"   "5492536"   "5662610"   "5688241"). PN. OR ("5976111"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 11:11
S60	93	(600/583 606/167,181-185). ccls. and lancet and (removable with (cover or cap or guard)) and ((cover or cap or guard) with (rotat \$4 or twist\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 13:19
S61	74	(600/583 606/167,181-185). ccls. and lancet and ((cover or cap or guard) with (rotat \$4 or twist\$3)) same (projection or barb or flange or protrusion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 13:27
S62	53	S61 not S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 13:28
S63	249	(600/583 606/167,181-185). ccls. and lancet and ((cover or cap or guard) with (rotat \$4 or twist\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 13:32
S64	2	"5207699".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 13:33

S65	76	("3358689"   "4139011"   "4203446"   "4356822"   "4449529"   "4469110"   "4503856"   "4517978"   "4527561"   "4635633"   "4677979"   "4738261"   "4759363"   "4817603"   "4889117"   "4895147"   "4976724"   "4990154"   "5074872"   "5100427"   "5207699").PN. OR ("5324303").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 13:37
S66	1	"6053930".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 13:53
S67	189	(600/583 606/181-183). ccls. and ((cover or cap or guard) with (flange or projection or protrusion))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 17:03
S68	73	(600/583 606/181-183). ccls. and ((cover or cap or guard) with (twist-off or (twist\$3 with off)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/28 17:17
S69	76	("3358689"   "4139011"   "4203446"   "4356822"   "4449529"   "4469110"   "4503856"   "4517978"   "4527561"   "4635633"   "4677979"   "4738261"   "4759363"   "4817603"   "4889117"   "4895147"   "4976724"   "4990154"   "5074872"   "5100427"   "5207699").PN. OR ("5324303").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 17:21
S70	1	"5324303".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 17:33

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